



TARDEC Dual Use Technology Briefing



TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

National Automotive Center Tech Transfer Team

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Partnership Intermediaries (DoD)

Licensing of patented technologies

First Responder
Technology Transfer

TechLink

www.techlinkcenter.org

SpringBoard

www.gospringboard.org

FirstLink

www.dodfirstlink.com

Partnership Intermediary (Local)

Automation Alley

www.automationalley.com

- Testing Services Agreements
- Education Partnerships
- Cooperative Research And Development Agreements (CRADA)
- Small Business Innovation Research (SBIR)



- Allows commercial entities to utilize unique capabilities of Government labs
- Government is reimbursed for operational and equipment expenses
- Cannot compete with private industry
- Test data belongs only to customer



- Encourage, enhance study in scientific disciplines;
- Set up with US non-profit educational institutions dedicated to improving science, math & engineering education;
- Provide assistance by...
 - Loaning or transferring equipment
 - Making lab personnel available
 - Involving students and faculty in research
 - Providing academic and career advice



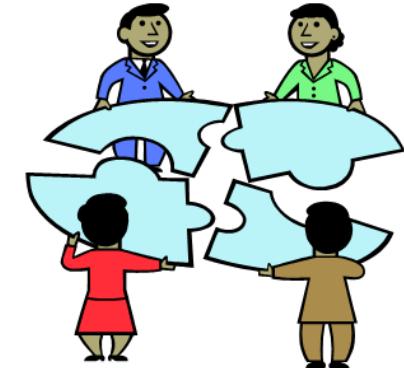
Cooperative Research
CRADA
And Development Agreement



- **Created by the Federal Technology Transfer Act of 1986**
- **Extends to all government-owned laboratories**
- **Defined in U.S. Code, Title 15, Section 3710a**
- **Not a procurement contract; Federal Acquisition Regulations do not apply**



- **Between Government Laboratories and commercial, academic, government or association partners;**
- **Facilitate technology transfer between the parties;**
- **Partner contributes personnel, services, property and funding;**
- **Government contributes all the above, except funding.**

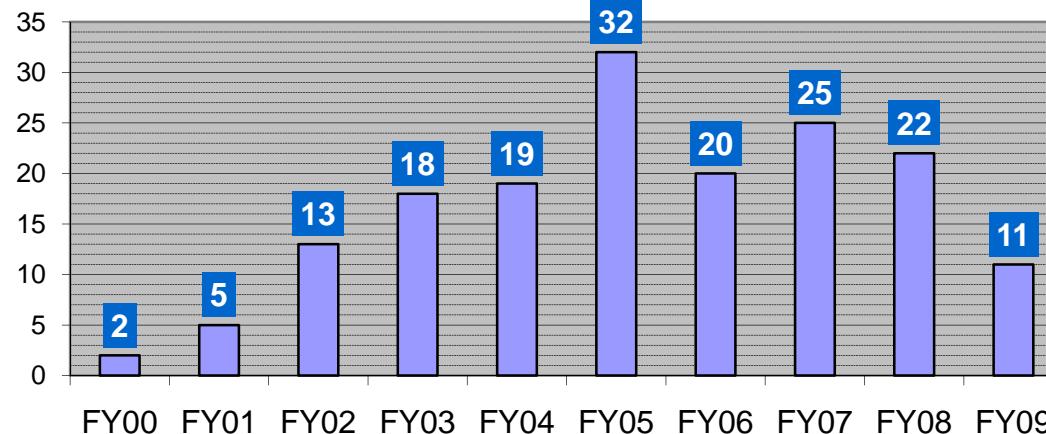
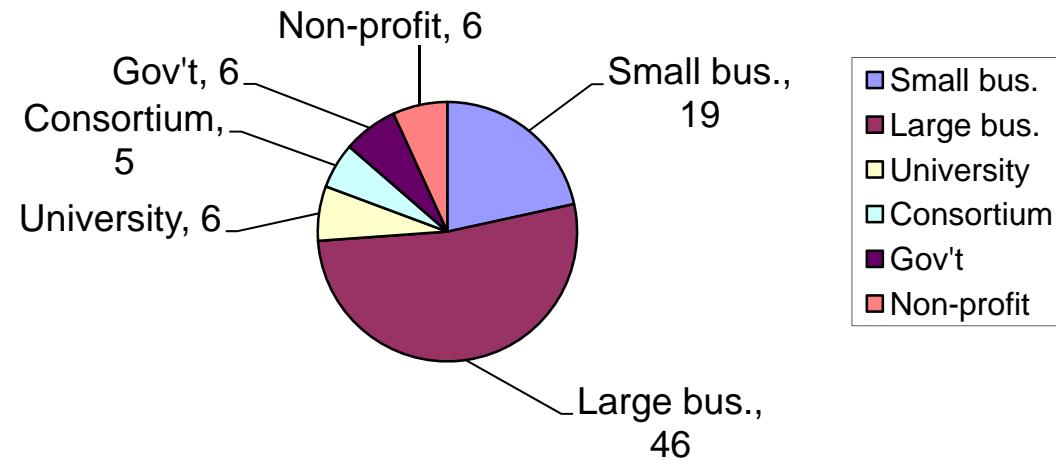


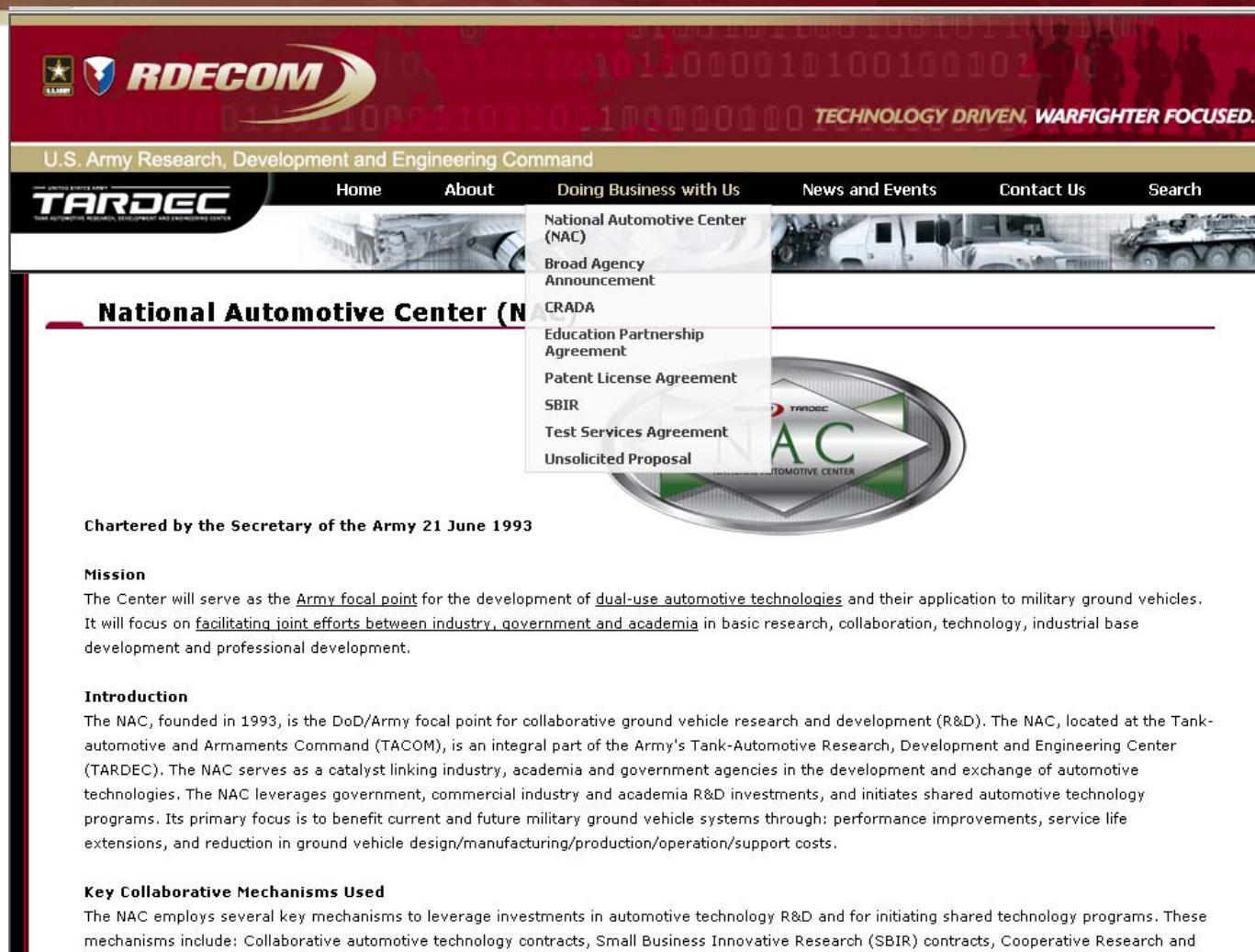
- **Quick** - Typically established within 60 days of initiation.
- **Flexible** - Leveraging of resources; each party pays for their tasks under flexible Statement of Work (SOW).
- **Mutually Beneficial** - Encourages cooperative R&D; partner has option to license exclusively technology Army invents under the CRADA.
- **Safe** - Proprietary information protected; all inventions developed under CRADA belongs to inventing party.
- **Simple** - Conditions and basic rights set forth in clear and simple language.



- **Duration – Typically 3 years; renewable.**
- **Termination – Upon expiration, by mutual consent, or unilaterally (with written notice).**
- **Multiple CRADAs – A partner may have more than one CRADA with TARDEC simultaneously.**
- **Special Agreements**
 - Master Agreement: many SOW's under one contract
 - 3-way: more than one partner
 - Foreign partner: requires approval from trade rep.



Number of CRADAs started**CRADA Starts by FY****CRADA Partner Category**



The screenshot shows the homepage of the National Automotive Center (NAC). The header features the RDECOM logo and the TARDEC logo. The tagline "TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED." is displayed. The menu includes links for Home, About, Doing Business with Us, News and Events, Contact Us, and Search. The "Doing Business with Us" menu is expanded, showing options like National Automotive Center (NAC), Broad Agency Announcement, CRADA, Education Partnership Agreement, Patent License Agreement, SBIR, Test Services Agreement, and Unsolicited Proposal. A large "NAC" logo is prominently displayed in the center of the page. Below the header, there is a section about the NAC's charter and mission, followed by sections on Introduction, Key Collaborative Mechanisms Used, and a yellow box containing the URL <http://tardec.army.mil/nac.asp>.

U.S. Army Research, Development and Engineering Command

TARDEC
TANK AUTOMOTIVE RESEARCH, DEVELOPMENT AND ENGINEERING CENTER

Technology Driven. Warfighter Focused.

U.S. Army Research, Development and Engineering Command

TARDEC
TANK AUTOMOTIVE RESEARCH, DEVELOPMENT AND ENGINEERING CENTER

Home **About** **Doing Business with Us** **News and Events** **Contact Us** **Search**

National Automotive Center (NAC)

National Automotive Center (NAC)

Broad Agency Announcement

CRADA

Education Partnership Agreement

Patent License Agreement

SBIR

Test Services Agreement

Unsolicited Proposal

Chartered by the Secretary of the Army 21 June 1993

Mission

The Center will serve as the Army focal point for the development of dual-use automotive technologies and their application to military ground vehicles. It will focus on facilitating joint efforts between industry, government and academia in basic research, collaboration, technology, industrial base development and professional development.

Introduction

The NAC, founded in 1993, is the DoD/Army focal point for collaborative ground vehicle research and development (R&D). The NAC, located at the Tank-automotive and Armaments Command (TACOM), is an integral part of the Army's Tank-Automotive Research, Development and Engineering Center (TARDEC). The NAC serves as a catalyst linking industry, academia and government agencies in the development and exchange of automotive technologies. The NAC leverages government, commercial industry and academia R&D investments, and initiates shared automotive technology programs. Its primary focus is to benefit current and future military ground vehicle systems through: performance improvements, service life extensions, and reduction in ground vehicle design/manufacturing/production/operation/support costs.

Key Collaborative Mechanisms Used

The NAC employs several key mechanisms to leverage investments in automotive technology R&D and for initiating shared technology programs. These mechanisms include: Collaborative automotive technology contracts, Small Business Innovative Research (SBIR) contracts, Cooperative Research and Development Agreements (CRADA) and Cooperative Agreements. The NAC also sponsors an academic Center of Excellence for Automotive Research

- ❖ Online tool for technology submissions
- ❖ Formally announced at SAE World Congress 20 April 2009

QUESTIONS?

